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Born: Munich, January 27, 1981  
Nationality: German



## Curriculum Vitae

### EDUCATION AT KARLSRUHE INSTITUTE OF TECHNOLOGY

#### *Study of Computer Science*

10/02 - 02/09

**Diplom, Grade 2.1**

#### **Diploma Thesis at SAP Research (CEC Karlsruhe)**

Semantic Service Discovery using Natural Language Queries (Research in the areas of Semantic Web, ontologies, service discovery, processing of natural language queries)

#### **Attended Courses**

System Architecture, Software Engineering, Computer Engineering, Information Systems (Databases, Data Warehousing), Telematics and Network Security, Entrepreneurship

### FURTHER EDUCATION

#### *Military Service*

09/01 - 06/02

**Completed basic training, served in the computer department afterwards**

#### *Secondary School (Geschwister-Scholl-Gymnasium Ludwigshafen/Rhein)*

09/91 - 06/01

**Abitur, Grade 1.8**

#### *Fabius-Pompey High-School, Upstate New York*

08/97 - 06/98

**Attended 12<sup>th</sup> grade as an exchange student, lived with a host family and got to know the American culture**

### PROFESSIONAL EXPERIENCE

#### *Ph.D. student and research fellow at Karlsruhe Institute of Technology (KIT)*

since 05/09

#### **Institute of Applied Informatics and Formal Description Methods (AIFB)**

Research in the area of future efficient and smart energy systems and the potential and impact of integrating (bi-directionally charging) electric vehicles into smart homes and the grid in general.

Special interest in the ISO/IEC 15118 Vehicle-to-Grid Communication Interface and therefore member of the DIN standardisation committee NA 052-01-03-17 AK "Kommunikationsschnittstelle vom Fahrzeug zum Stromnetz (V2G CI)"

## PROFESSIONAL EXPERIENCE (continued)

### Research projects

MeRegioMobil: <http://meregiomobil.forschung.kit.edu/english/index.php>

iZEUS: <http://izeus.kit.edu>

### *Internship and Working Student at SAP AG*

11/07 – 05/08

#### **Department: AP Engineering Architecture**

Conceptually designed, developed, documented and maintained a Web-based application (using PHP, AJAX, JavaScript, HTML and CSS) for the management of projects concerning verification of technology- and architecture-features

Integrated the software in existing applications, tested it and trained end users

### *Education Support Centre Germany*

10/05 – 09/07

#### **Student assistant**

Provided technical support (hotline and email) for Microsoft's desktop-, office and server products

## INVITED TALKS

*Trianel GmbH (a leading public utilities cooperative in Europe, <http://www.trianel.com/>)*

05/12

#### **Integration of Electric Vehicles in Smart Homes**

## SOFTWARE SKILLS

### *Programming*

Java (advanced)

Web Development (HTML, PHP, CSS, JavaScript, AJAX)

### *Operating Systems and Software*

Windows, Mac OS X

Eclipse, Latex, MS Office, Adobe InDesign, ...

## LANGUAGE SKILLS

English (fluent), French (basics), Spanish (basics)

## PERSONAL INTERESTS

Sports, Travelling (backpacking tours), Photography, Literature